
SECTION 1

PRODUCT IDENTIFIER AHE60124TN0 LN-601, LIQUID NAILS ADHESIVE FOR
 PROJECTS AND CONSTRUCTION
DATE OF PREPARATION NOVEMBER 13, 2003
PRODUCT USE ADHESIVE/CAULK

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MSDS PREPARED BY: PRODUCT SAFETY AND TOXICOLOGY DEPARTMENT
 ICI PAINTS NORTH AMERICA

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT

WT. %:

CHEMICAL NAME 2-METHYLPENTANE
COMMON NAME : 2-METHYLPENTANE
CAS NUMBER: 107-83-5

5-10

CHEMICAL NAME LIMESTONE
COMMON NAME : LIMESTONE
CAS NUMBER: 1317-65-3

20-30

CHEMICAL NAME KAOLIN
COMMON NAME : CLAY
CAS NUMBER: 1332-58-7

20-30

CHEMICAL NAME QUARTZ
COMMON NAME : QUARTZ
CAS NUMBER: 14808-60-7

.1-1.0

CHEMICAL NAME BENZENE, 1,3-DIETHENYL-, POLYMER WITH 1,3-
 BUTADIENE AND ETHENYLBENZENE
COMMON NAME : STYRENE-BUTADIENE POLYMER

1-5

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

CAS NUMBER:	26471-45-4	
CHEMICAL NAME	SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	10-20
COMMON NAME :	LIGHT ALIPHATIC SOLVENT NAPHTHA (PETROLEUM)	
CAS NUMBER:	64742-89-8	
CHEMICAL NAME	DISTILLATES (PETROLEUM), STEAM-CRACKED, POLYMERS	10-20
	WITH LIGHT STEAM-CRACKED PETROLEUM NAPHTHA	
COMMON NAME :	AROMATIC HYDROCARBON RESIN	
CAS NUMBER:	68410-16-2	
CHEMICAL NAME	2,2-DIMETHYLBUTANE	1-5
COMMON NAME :	DIMETHYLBUTANE	
CAS NUMBER:	75-83-2	
CHEMICAL NAME	2,3-DIMETHYLBUTANE	1-5
COMMON NAME :	DIMETHYLBUTANE	
CAS NUMBER:	79-29-8	
CHEMICAL NAME	BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE	1-5
COMMON NAME :	STYRENE-BUTADIENE POLYMER	
CAS NUMBER:	9003-55-8	
CHEMICAL NAME	3-METHYLPENTANE	1-5
COMMON NAME :	3-METHYL PENTANE	
CAS NUMBER:	96-14-0	

SECTION 3: HAZARDS IDENTIFICATION

PRIMARY ROUTE(S) OF EXPOSURE
INHALATION, SKIN CONTACT, EYE CONTACT, INGESTION.

EFFECTS OF OVEREXPOSURE

SECTION 3: HAZARDS IDENTIFICATION

INHALATION IRRITATION OF RESPIRATORY TRACT. PROLONGED INHALATION MAY LEAD TO LOSS OF APPETITE, MUCOUS MEMBRANE IRRITATION, FATIGUE, DROWSINESS, DIZZINESS AND/OR LIGHTHEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, VOMITING, COUGHING, CENTRAL NERVOUS SYSTEM DEPRESSION, INTOXICATION, ANESTHETIC EFFECT OR NARCOSIS, DIFFICULTY OF BREATHING, CONVULSIONS, PNEUMOCONIOSIS, LOSS OF CONSCIOUSNESS, DEATH.

SKIN CONTACT IRRITATION OF SKIN. PROLONGED OR REPEATED CONTACT CAN CAUSE DERMATITIS, DEFATTING.

EYE CONTACT IRRITATION OF EYES. PROLONGED OR REPEATED CONTACT CAN CAUSE CONJUNCTIVITIS, BLURRED VISION, TEARING OF EYES, REDNESS OF EYES, SEVERE EYE IRRITATION.

INGESTION INGESTION MAY CAUSE LUNG INFLAMMATION AND DAMAGE DUE TO ASPIRATION OF MATERIAL INTO LUNGS, DROWSINESS, DIZZINESS AND/OR LIGHTHEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, VOMITING, DIARRHEA, GASTRO-INTESTINAL DISTURBANCES, ABDOMINAL PAIN, CENTRAL NERVOUS SYSTEM DEPRESSION, INTOXICATION, DIFFICULTY OF BREATHING, CONVULSIONS, PARALYSIS, CARDIAC FAILURE, DEATH.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE EYE, SKIN, RESPIRATORY DISORDERS, LUNG DISORDERS, RESPIRATORY DISORDERS.

SECTION 4: FIRST-AID MEASURES

INHALATION REMOVE TO FRESH AIR. RESTORE AND SUPPORT CONTINUED BREATHING.
GET EMERGENCY MEDICAL ATTENTION.
HAVE TRAINED PERSON GIVE OXYGEN IF NECESSARY. GET MEDICAL HELP FOR ANY BREATHING DIFFICULTY.

SECTION 4: FIRST-AID MEASURES

SKIN CONTACT WASH THOROUGHLY WITH SOAP AND WATER. IF ANY PRODUCT REMAINS, GENTLY RUB PETROLEUM JELLY, VEGETABLE OR MINERAL/BABY OIL ONTO SKIN. REPEATED APPLICATIONS MAY BE NEEDED. REMOVE CONTAMINATED CLOTHING.
WASH CONTAMINATED CLOTHING BEFORE RE-USE.

EYE CONTACT FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER, ESPECIALLY UNDER LIDS FOR AT LEAST 15 MINUTES. IF IRRITATION OR OTHER EFFECTS PERSIST, OBTAIN MEDICAL TREATMENT.

INGESTION IF SWALLOWED, OBTAIN MEDICAL TREATMENT IMMEDIATELY.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT (SETA)	4 F. / -16 C.	LOWER EXPLOSIVE LIMIT	1.0	(%)
		UPPER EXPLOSIVE LIMIT	7.0	(%)

FIRE EXTINGUISHING MEDIA
DRY CHEMICAL OR FOAM
WATER FOG.
CARBON DIOXIDE.

UNUSUAL FIRE AND EXPLOSION HAZARDS

CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT OR FIRE.
VAPORS MAY IGNITE EXPLOSIVELY AT AMBIENT TEMPERATURES.
VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL LONG DISTANCES TO A SOURCE OF IGNITION AND FLASH BACK.
VAPORS CAN FORM EXPLOSIVE MIXTURES IN AIR AT ELEVATED TEMPERATURES.
CLOSED CONTAINERS MAY BURST IF EXPOSED TO EXTREME HEAT OR FIRE.
MAY DECOMPOSE UNDER FIRE CONDITIONS EMITTING IRRITANT AND/OR TOXIC GASES.

SECTION 5: FIRE-FIGHTING MEASURES

FIRE FIGHTING PROCEDURES

WATER MAY BE USED TO COOL AND PROTECT EXPOSED CONTAINERS.
FIREFIGHTERS SHOULD USE FULL PROTECTIVE CLOTHING, EYE
PROTECTION, AND SELF-CONTAINED BREATHING APPARATUS.

HAZARDOUS DECOMPOSITION OR COMBUSTION PRODUCTS

CARBON MONOXIDE, CARBON DIOXIDE, TOXIC GASES.
OXIDES OF CALCIUM.

SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

COMPLY WITH ALL APPLICABLE HEALTH AND ENVIRONMENTAL
REGULATIONS.

ELIMINATE ALL SOURCES OF IGNITION. VENTILATE AREA.
VENTILATE AREA WITH EXPLOSION-PROOF EQUIPMENT. USE
NON-SPARKING TOOLS. EVACUATE ALL UNNECESSARY PERSONNEL.
PLACE COLLECTED MATERIAL IN PROPER CONTAINER.

COMPLETE PERSONAL PROTECTIVE EQUIPMENT MUST BE USED DURING
CLEANUP.

LARGE SPILLS - SHUT OFF LEAK IF SAFE TO DO SO. DIKE AND
CONTAIN SPILL. PUMP TO STORAGE OR SALVAGE VESSELS. USE
ABSORBENT TO PICK UP EXCESS RESIDUE. KEEP SALVAGEABLE
MATERIAL AND RINSE WATER OUT OF SEWERS AND WATER COURSES.

SMALL SPILLS - USE ABSORBENT TO PICK UP RESIDUE AND DISPOSE
OF PROPERLY.

SECTION 7 HANDLING AND STORAGE

HANDLING AND STORAGE

STORE BELOW 80F. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME.

OTHER PRECAUTIONS

USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY.
KEEP OUT OF REACH OF CHILDREN. AVOID CONTACT WITH SKIN AND
EYES, AND BREATHING OF VAPORS. WASH HANDS THOROUGHLY AFTER
HANDLING, ESPECIALLY BEFORE EATING OR SMOKING.
KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE.
EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUES.

SECTION 7 HANDLING AND STORAGE
-----GROUND EQUIPMENT WHEN TRANSFERRING TO PREVENT ACCUMULATION
OF STATIC CHARGE.-----
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

COMMON NAME : 2-METHYLPENTANE

CAS NUMBER: 107-83-5

ACGIH(TWA): 500 PPM

ACGIH(STEL): C 1000 PPM

COMMON NAME : LIMESTONE

CAS NUMBER: 1317-65-3

ACGIH(TWA): 10 MG/M3 OSHA(TWA): 5 MG/M3

COMMON NAME : CLAY

CAS NUMBER: 1332-58-7

ACGIH(TWA): 2 MG/M3 OSHA(TWA): 5 MG/M3

COMMON NAME : QUARTZ

CAS NUMBER: 14808-60-7

ACGIH(TWA): .05 MG/M3 OSHA(TWA): 0.1 MG/M3

COMMON NAME : LIGHT ALIPHATIC SOLVENT NAPHTHA (PETROLEUM)

CAS NUMBER: 64742-89-8

OSHA(TWA): 300 PPM

COMMON NAME : DIMETHYLBUTANE

CAS NUMBER: 75-83-2

ACGIH(TWA): 500 PPM

ACGIH(STEL): 1000 PPM

COMMON NAME : DIMETHYLBUTANE

CAS NUMBER: 79-29-8

ACGIH(TWA): 500 PPM

ACGIH(STEL): 1000 PPM

COMMON NAME : 3-METHYL PENTANE

CAS NUMBER: 96-14-0

ACGIH(TWA): 500 PPM

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ACGIH(STEL): 1000 PPM

RESPIRATORY PROTECTION

CONTROL ENVIRONMENTAL CONCENTRATIONS BELOW APPLICABLE EXPOSURE STANDARDS WHEN USING THIS MATERIAL. WHEN RESPIRATORY PROTECTION IS DETERMINED TO BE NECESSARY, USE A NIOSH/MSHA (CANADIAN Z94.4) APPROVED ELASTOMERIC SEALING-SURFACE FACEPIECE RESPIRATOR OUTFITTED WITH ORGANIC VAPOR CARTRIDGES AND PAINT SPRAY (DUST/MIST) PREFILTERS. DETERMINE THE PROPER LEVEL OF PROTECTION BY CONDUCTING APPROPRIATE AIR MONITORING. CONSULT 29CFR1910.134 FOR SELECTION OF RESPIRATORS (CANADIAN Z94.4).

VENTILATION

PROVIDE DILUTION VENTILATION OR LOCAL EXHAUST TO PREVENT BUILD-UP OF VAPORS.
USE EXPLOSION-PROOF EQUIPMENT. USE NON-SPARKING EQUIPMENT.

PERSONAL PROTECTIVE EQUIPMENT

EYE WASH, SAFETY SHOWER, SAFETY GLASSES OR GOGGLES.
IMPERVIOUS GLOVES, IMPERVIOUS CLOTHING.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE:	NOT AVAILABLE	SPECIFIC GRAVITY:	1.132
BOILING RANGE (F/C):	122-185/ 50- 85	WEIGHT PER GALLON:	9.43/ 11.32IMP
%VOLATILE BY VOLUME:	57.74		
PHYSICAL STATE:	PASTE	APPEARANCE	TAN
SOLUBILITY IN WATER:	N	PH:	NOT AVAILABLE

SECTION 10: STABILITY AND REACTIVITY

UNDER NORMAL CONDITIONS

STABLE

SEE SECTION 5 FIRE FIGHTING MEASURES

MATERIALS TO AVOID

OXIDIZERS, ACIDS.

STYRENE MONOMER.

CONDITIONS TO AVOID

ELEVATED TEMPERATURES, CONTACT WITH OXIDIZING AGENT, SPARKS,
OPEN FLAME, IGNITION SOURCES.

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

COMMON NAME : 2-METHYLPENTANE

CAS NUMBER: 107-83-5

CARCINOGENICITY LISTED BY: NTP NO

IARC NO

OSHA NO

ACGIH NO

COMMON NAME : LIMESTONE

CAS NUMBER: 1317-65-3

CARCINOGENICITY LISTED BY: NTP NO

IARC NO

OSHA NO

ACGIH NO

LD50: 6450.00 MG/KG ORL RAT

COMMON NAME : CLAY

CAS NUMBER: 1332-58-7

CARCINOGENICITY LISTED BY: NTP NO

IARC NO

OSHA NO

ACGIH NO

COMMON NAME : QUARTZ

CAS NUMBER: 14808-60-7

CARCINOGENICITY LISTED BY: NTP YES

IARC YES 1

OSHA NO

ACGIH NO

COMMON NAME : LIGHT ALIPHATIC SOLVENT NAPHTHA (PETROLEUM)

CAS NUMBER: 64742-89-8

CARCINOGENICITY LISTED BY: NTP NO

IARC NO

OSHA NO

ACGIH NO

LD50:> 3.16 GM/KG SKN RBT

LD50:> 5.00 GM/KG ORL RAT

SECTION 11: TOXICOLOGICAL INFORMATION

COMMON NAME : AROMATIC HYDROCARBON RESIN

CAS NUMBER: 68410-16-2

CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

COMMON NAME : DIMETHYLBUTANE

CAS NUMBER: 75-83-2

CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

COMMON NAME : DIMETHYLBUTANE

CAS NUMBER: 79-29-8

CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

COMMON NAME : STYRENE-BUTADIENE POLYMER

CAS NUMBER: 9003-55-8

CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

COMMON NAME : 3-METHYL PENTANE

CAS NUMBER: 96-14-0

CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

SUPPLEMENTAL HEALTH INFORMATION

CONTAINS A CHEMICAL THAT MAY BE ABSORBED THROUGH SKIN.
NOTICE - REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED
OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN
AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY
DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS
MAY BE HARMFUL OR FATAL.
OTHER EFFECTS OF OVEREXPOSURE MAY INCLUDE TOXICITY TO
CENTRAL NERVOUS SYSTEM.

CARCINOGENICITY CONTAINS CRYSTALLINE SILICA WHICH IS CONSIDERED A HAZARD BY
INHALATION. IARC HAS CLASSIFIED CRYSTALLINE SILICA AS
CARCINOGENIC TO HUMANS (GROUP 1). CRYSTALLINE SILICA IS ALSO
A KNOWN CAUSE OF SILICOSIS, A NONCANCEROUS LUNG DISEASE.
THE NATIONAL TOXICOLOGY PROGRAM (NTP) HAS CLASSIFIED
CRYSTALLINE SILICA AS A KNOWN HUMAN CARCINOGEN.

SECTION 11: TOXICOLOGICAL INFORMATION

REPRODUCTIVE EFFECTS

NO REPRODUCTIVE EFFECTS ARE ANTICIPATED

MUTAGENICITY

NO MUTAGENIC EFFECTS ARE ANTICIPATED

TERATOGENICITY

NO TERATOGENIC EFFECTS ARE ANTICIPATED

SECTION 12: ECOLOGICAL INFORMATION

NO ECOLOGICAL TESTING HAS BEEN DONE BY ICI PAINTS ON THIS
PRODUCT AS A WHOLE.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
AVOID DISCHARGE TO NATURAL WATERS.

SECTION 14: TRANSPORT INFORMATION

DOT

ADHESIVES, 3, UN1133, PGIII

IMDG

ADHESIVES, CLASS 3, UN1133, PGIII, LIMITED QUANTITY
ADHESIVES, CLASS 3, UN1133, PGIII

IATA

CONSUMER COMMODITY, 9, ID8000

TDG

NOT AVAILABLE

SECTION 15: REGULATORY INFORMATION

SARA SARA CERCLA HAZ AIR MARINE
302 313 302.4 POLLUTANT POLTNT

THIS PRODUCT CONTAINS NO SARA 302, CERCLA 302.4 OR
HAZARDOUS AIR POLLUTANT CHEMICALS. IT ALSO CONTAINS
NO CHEMICALS WHICH ARE SUBJECT TO THE REPORTING
REQUIREMENTS UNDER SARA 313.

AS OF THE DATE OF THIS MSDS, ALL OF THE COMPONENTS IN THIS
PRODUCT ARE LISTED (OR ARE OTHERWISE EXEMPT FROM LISTING)
ON THE TSCA INVENTORY.

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE
HAZARD CRITERIA OF THE CPR (CONTROLLED PRODUCTS REGULATIONS)
AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE
CPR.

SECTION 16: OTHER INFORMATION

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE
AT THE TIME OF PREPARATION OF THIS DATA SHEET AND WHICH ICI
PAINTS BELIEVES TO BE RELIABLE. HOWEVER, NO WARRANTY IS
EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA.
ICI PAINTS SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS
INFORMATION, OR OF ANY PRODUCT, METHOD OR APPARATUS
MENTIONED AND YOU MUST MAKE YOUR OWN DETERMINATION OF ITS
SUITABILITY AND COMPLETENESS FOR YOUR OWN USE, FOR THE
PROTECTION OF THE ENVIRONMENT, AND THE HEALTH AND SAFETY OF
YOUR EMPLOYEES AND USERS OF THIS MATERIAL.
COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD
29CFR1910.1200.